

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V96300958
Input Device: Carousel
Setup Bead Position: 1
Cytometer Configuration: Canto II Config 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0
Date: 07/09/2018 09:20 AM
Cytometer Baseline: 06/11/2018 02:40 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 70106 **Expiration Date:** 01/31/2018 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123722	-2	1.74	123893	1.74
Blue	F	SSC	125000	121465	-3	3.61	122547	3.55
Blue	E	FITC	18778	18175	-4	3.16	492	17.39
Blue	D	PE	33461	32462	-3	2.77	870	11.15
Blue	B	PE-Cy5	74647	74011	-1	3.61	1760	16.79
Blue	A	PE-Cy7	74829	73542	-2	5.31	1080	26.10
Red	C	APC	83387	82556	-1	2.17	2624	11.29
Red	A	APC-Cy7	88776	87993	-1	3.90	1746	10.70
Violet	B	DAPI	11708	11248	-4	2.65	837	9.91
Violet	A	AmCyan	45634	44676	-3	2.42	1297	8.76

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18031	6.72	534	-2	N/A	N/A	Pass
Blue	F	SSC	56863	3.65	381	-4	N/A	N/A	Pass
Blue	E	FITC	73	77.22	436	-3	0.0284	596	Pass
Blue	D	PE	150	47.92	476	-3	0.3470	515	Pass
Blue	B	PE-Cy5	270	47.48	613	0	0.0108	159	Pass
Blue	A	PE-Cy7	173	68.93	640	4	0.0189	16	Pass
Red	C	APC	548	25.37	674	-4	0.0239	143	Pass
Red	A	APC-Cy7	303	28.21	527	3	0.0053	1542	Pass
Violet	B	DAPI	108	56.64	439	-3	0.0845	3791	Pass
Violet	A	AmCyan	158	44.48	490	-2	0.0326	3754	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.82	47.84 - 71.76	N/A	N/A	-29.63	-29.43	1.22
Blue	20.24	16.21 - 24.31	1.40	1.14 - 1.70	0.00	0.00	1.52
Red	15.60	14.86 - 22.30	N/A	N/A	27.35	27.76	1.34

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9502

Fluidics

FACSFlow Pressure: 4.50
Spec.: 4.40 - 4.60
Sample Pressure: 4.40

Comments